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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/720,402	11/24/2003	Max Gmur	104822-50516 (10081 US)	4111
26345	7590 12/13/2005		EXAMINER	
GIBBONS, DEL DEO, DOLAN, GRIFFINGER & VECCHIONE			CHEA, THORL	
1 RIVERFRO NEWARK, N	NI PLAZA NJ 07102-5497		ART UNIT PAPER NUMBER	
•			1752	
			DATE MAILED: 12/13/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)
		10/720,402	GMUR, MAX
	Office Action Summary	Examiner	Art Unit
		Thorl Chea	1752
Period fo	The MAILING DATE of this communication apported in the second section apport.	pears on the cover sheet with the c	orrespondence address
THE - External after - If the - If NO - Failur	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a repl period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a)⊠	Responsive to communication(s) filed on <u>26 S</u> This action is FINAL . 2b) This Since this application is in condition for allowa closed in accordance with the practice under <i>B</i>	action is non-final. nce except for formal matters, pro	
Dispositi	on of Claims		
5)□ 6)⊠ 7)□	Claim(s) <u>17-32</u> is/are pending in the applicatio 4a) Of the above claim(s) is/are withdrated Claim(s) is/are allowed. Claim(s) <u>17-32</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	wn from consideration.	
Applicati	on Papers		
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 1.	epted or b) objected to by the find drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
Priority u	ınder 35 U.S.C. § 119		
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureausee the attached detailed Office action for a list	s have been received. s have been received in Application rity documents have been receive u (PCT Rule 17.2(a)).	on Noed in this National Stage
Attachmen	t(s)		
2) D Notice 3) D Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	

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DETAILED ACTION

1. This second office action is responsive to the communication on September 9, 2005; claims 17-32 are pending; claims 1-16 have been canceled.

- 2. The terminial disclaimer submitted on September 26, 2005 obviates the double patenting rejection set forth in the previous office action. The rejection is withdrawn.
- 3. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: there is no antecedent basis for the term "first orifice" presented in claim 17, 23.

Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 17-32 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. See MPEP § 2172.01. The omitted steps are: the step of providing a wafer having a front side and a rear side is essential before performing the process having step (a) to (k) in claim 17; claim 23 an claim 32.
- 6. Claims 17-32 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The language "said cavities having inclined side walls and a tapered cross section the width of which increases with the distance from the rear side of the wafer" appears to be awkward and confused with respect to the antecedent basis for "the with", i.e.

width of the section or the width of the cavities?. See similar language in claim 23. The use of the language "predetermined" in claim 32 is indefinite in the absence of providing the mete and bound thereof. See line 7. The term predetermined was held to be indefinite, *Jos. E. Seagram & Sons, Inc. v. Marzall, Comr. Pats.*, 84 USPQ 180 (CADC 1950). The "the steps of etching ..." in claim 32, (a) is unclear with respect to the antecedent basis thereof.

Conclusion

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thorl Chea whose telephone number is (571) 272-1328. The examiner can normally be reached on 9 AM-5:30 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia H. Kelly can be reached on (571)272-1526. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tchea UM
December 12, 2005

Thorl Chea
Primary Examiner
Art Unit 1752